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RAW SEQUENCE LISTING DATE: 06/27/2001
PATENT APPLICATION: US/09/674,876 TIME: 15:06:32

Input Set : A:\Rutgers White ('876) Sequence Listing.txt
Output Set: N:\CRF3\06272001\I674876.raw

```
   3 <110> APPLICANT: White, Eileen
   4         Kasof, Gary
   5         Goyal, Lakshmi
   6         Rutgers, The State University of New Jersey
   8 <120> TITLE OF INVENTION: Recombinant Cell Line and Screening
   9         Method for Identifying Agents Which Regulate Apoptosis and
  10         Tumor Suppression
  12 <130> FILE REFERENCE: Rut-98-0058
  14 <140> CURRENT APPLICATION NUMBER: 09/674,876
C--> 15 <141> CURRENT FILING DATE: 2001-05-31
  17 <150> PRIOR APPLICATION NUMBER: PCT/US99/09793
  18 <151> PRIOR FILING DATE: 1999-05-06
  20 <150> PRIOR APPLICATION NUMBER: 60/084,664
  21 <151> PRIOR FILING DATE: 1998-05-07
  23 <160> NUMBER OF SEQ ID NOS: 2
  25 <170> SOFTWARE: FastSEQ for Windows Version 3.0
  28 <210> SEQ ID NO: 1
  29 <211> LENGTH: 2610
  30 <212> TYPE: DNA
  31 <213> ORGANISM: Homo Sapiens
  33 <400> SEQUENCE: 1
  34  atgggtcgtg ccaattctag atcacattct tcaaggtcaa agtctagatc acagtctagt    60
  35  tctcgatcaa gatcaagatc tcattctaga aagaagcgat acaggtctcg ttccagaaca   120
  36  tattcaaggt ctcgtagtag agatcgtatg tattctagag attatcgtcg cgattacaga   180
  37  aataatagag gaatgagacg accttatggg tacagaggaa ggggtagagg gtattatcaa   240
  38  ggaggaggag gtagatatca tcgaggtggt tatagacctg tctggaatag aaggcactct   300
  39  aggagtccta gacgaggtcg ttcacgttcc aggagtccaa aaagaagatc cgtttcttct   360
  40  caaagatcca gaagcagatc tcgccggtca tatagatctt ctaggtctcc aagatcatcc   420
  41  tcttctcgtt cttcatcccc atatagcaaa tctcctgttt ctaaaagacg agggtctcag   480
  42  gaaaaacaaa ccaaaaaagc tgaaggggaa ccccaagaag agagtccgtt gaaaagtaaa   540
  43  tcacaggagg aaccgaaaga tacatttgaa catgacccat ctgagtctat cgatgaattt   600
  44  aataagtcat cagccacatc cggtgatatt tggcctggcc tttcagctta tgataatagt   660
  45  cctagatcac cccatagtcc ttcacctatt gctacaccac ctagtcagag ttcatcttgc   720
  46  tctgatgctc ccatgctcag tacagttcac tctgcaaaaa atactccttc tcagcattca   780
  47  cattccattc agcatagtcc tgaaaggtct gggtctggtt ctgttggaaa tggatctagt   840
  48  cgatacagtc cttctcagaa tagtccaatt catcacatcc cttcacgaag aagtcctgca   900
  49  aagacaatcg caccacagaa tgctccaaga gatgagtcta ggggccgttc ctcgttttat   960
  50  cctgatggtg gagatcagga aactgcaaag actgggaagt tcttaaaaag gttcacagat  1020
  51  gaagagtcta gagtattcct gcttgatagg ggtaatacca gggataaaga ggcttcaaaa  1080
  52  gagaaaggat cagagaaagg gagggcagag ggagaatggg aagatcagga agctctagat  1140
  53  tacttcagtg ataaagagtc tggaaaacaa aagtttaatg attcagaagg ggatgacaca  1200
  54  gaggagacag aggattatag acagttcagg aagtcagtcc tcgcagatca gggtaaaagt  1260
  55  tttgctactg catctcaccg gaatactgag gaggaaggac tcaagtacaa gtccaaagtt  1320
  56  tcactgaaag gcaatagaga aagtgatgga tttagagaag aaaaaaatta taaacttaaa  1380
  57  gagactggat atgtagtgga aaggcctagc actacaaaag ataagcacaa agaagaagac  1440
  58  aaaaattctg aaagaataac agtaaagaaa gaaactcagt cacctgagca ggtaaagtct  1500
  59  gaaaagctca aagacctctt tgattacagt ccccctctac acaagaatct ggatgcacga  1560
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60  gaaaagtcta ccttcagaga ggaaagccca cttaggatca aaatgatagc gagtgattct  1620
61  caccgtcctg aagtcaaact caaaatggca cctgttcctc ttgatgattc taacagacct  1680
62  gcttccttga ctaaagacag gctgcttgct agtacacttg tccattctgt caagaaggag  1740
63  caagaattcc gatccatctt tgaccacatt aagttgccac aggccagcaa aagcacttca  1800
64  gagtcattta ttcaacacat tgtgtccttg gttcatcatg ttaaagagca atacttcaag  1860
65  tcagctgcaa tgaccctaaa cgagcggttc acttcgtatc agaaagccac tgaagaacat  1920
66  agtactcggc aaaagagccc tgaaatacac aggagaattg acatctcacc aagtaccctg  1980
67  aggaagcata cccgtttagc aggggaagag agagtttta aagaagaaaa tcaaaaggga  2040
68  gataaaaaat taaggtgtga ctctgctgac cttcggcatg acattgatcg ccgtagaaaa  2100
69  gaaagaagta aagaacgggg agattccaag ggctccaggg aatccagtgg atcaagaaag  2160
70  caggaaaaaa ctccaaaaga ttacaaggaa tacaaatctt acaaagatga cagtaaacat  2220
71  aaaagagagc aagatcattc tcgatcttca tcctcttcag catcaccttc ttctcccagt  2280
72  tctcgagaag aaaaggagag taagaaggaa agagaagaag aatttaaaac tcaccatgaa  2340
73  atgaaagaat actcaggctt tgcaggagtt agccgaccac gaggaacctt tcatgacgac  2400
74  agagatgatg gtgtggatta ttgggccaaa agaggaagag tcgtggtac ttttcaacgt  2460
75  ggcagagggc gctttaactt caaaaaatca ggtagcagtc ctaaatggac tcatgacaaa  2520
76  taccaagggg atgggattgt tgaagatgaa gaagagacca tggaaaataa tgaagaaaag  2580
77  aaggacagac gcaaggaaga aaaggaataa                                   2610
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80 <210> SEQ ID NO: 2
81 <211> LENGTH: 917
82 <212> TYPE: PRT
83 <213> ORGANISM: Homo sapiens
85 <400> SEQUENCE: 2
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86  Met Gly Arg Ala Asn Ser Arg Ser His Ser Ser Arg Ser Lys Ser Arg
87  1               5                   10                  15
88  Ser Gln Ser Ser Ser Arg Ser Arg Ser Arg Ser His Ser Arg Lys Lys
89              20                  25                  30
90  Arg Tyr Arg Ser Arg Ser Arg Thr Tyr Ser Arg Ser Arg Ser Arg Asp
91          35                  40                  45
92  Arg Met Tyr Ser Arg Asp Tyr Arg Arg Asp Tyr Arg Asn Asn Arg Gly
93      50                  55                  60
94  Met Arg Arg Pro Tyr Gly Tyr Arg Gly Arg Gly Arg Gly Tyr Tyr Gln
95  65                  70                  75                  80
96  Gly Gly Gly Gly Arg Tyr His Arg Gly Gly Tyr Arg Pro Val Trp Asn
97                  85                  90                  95
98  Arg Arg His Ser Arg Ser Pro Arg Arg Gly Arg Ser Arg Ser Arg Ser
99              100                 105                 110
100  Pro Lys Arg Arg Ser Val Ser Ser Arg Ser Arg Ser Arg Ser Arg Arg
101              115                 120                 125
102  Ser Tyr Arg Ser Ser Arg Ser Pro Arg Ser Ser Ser Arg Ser Ser
103          130                 135                 140
104  Ser Pro Tyr Ser Lys Ser Pro Val Ser Lys Arg Arg Gly Ser Gln Glu
105  145                 150                 155                 160
106  Lys Gln Thr Lys Lys Ala Glu Gly Glu Pro Gln Glu Glu Ser Pro Leu
107                  165                 170                 175
108  Lys Ser Lys Ser Gln Glu Glu Pro Lys Asp Thr Phe Glu His Asp Pro
109              180                 185                 190
110  Ser Glu Ser Ile Asp Glu Phe Asn Lys Ser Ser Ala Thr Ser Gly Asp
111              195                 200                 205
```

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```
112   Ile Trp Pro Gly Leu Ser Ala Tyr Asp Asn Ser Pro Arg Ser Pro His
113       210                 215                 220
114   Ser Pro Ser Pro Ile Ala Thr Pro Pro Ser Gln Ser Ser Ser Cys Ser
115   225                 230                 235                 240
116   Asp Ala Pro Met Leu Ser Thr Val His Ser Ala Lys Asn Thr Pro Ser
117                   245                 250                 255
118   Gln His Ser His Ser Ile Gln His Ser Pro Glu Arg Ser Gly Ser Gly
119                   260                 265                 270
120   Ser Val Gly Asn Gly Ser Ser Arg Tyr Ser Pro Ser Gln Asn Ser Pro
121           275                 280                 285
122   Ile His His Ile Pro Ser Arg Arg Ser Pro Ala Lys Thr Ile Ala Pro
123       290                 295                 300
124   Gln Asn Ala Pro Arg Asp Glu Ser Arg Gly Arg Ser Ser Phe Tyr Pro
125   305                 310                 315                 320
127   Asp Gly Gly Asp Gln Glu Thr Ala Lys Thr Gly Lys Phe Leu Lys Arg
128                   325                 330                 335
129   Phe Thr Asp Glu Glu Ser Arg Val Phe Leu Leu Asp Arg Gly Asn Thr
130                   340                 345                 350
131   Arg Asp Lys Glu Ala Ser Lys Glu Lys Gly Ser Glu Lys Gly Arg Ala
132           355                 360                 365
133   Glu Gly Glu Trp Glu Asp Gln Glu Ala Leu Asp Tyr Phe Ser Asp Lys
134       370                 375                 380
135   Glu Ser Gly Lys Gln Lys Phe Asn Asp Ser Glu Gly Asp Asp Thr Glu
136   385                 390                 395                 400
137   Glu Thr Glu Asp Tyr Arg Gln Phe Arg Lys Ser Val Leu Ala Asp Gln
138                   405                 410                 415
139   Gly Lys Ser Phe Ala Thr Ala Ser His Arg Asn Thr Glu Glu Glu Gly
140               420,                425                 430
141   Leu Lys Tyr Lys Ser Lys Val Ser Leu Lys Gly Asn Arg Glu Ser Asp
142           435                 440                 445
143   Gly Phe Arg Glu Glu Lys Asn Tyr Lys Leu Lys Glu Thr Gly Tyr Val
144       450                 455                 460
145   Val Glu Arg Pro Ser Thr Thr Lys Asp Lys His Lys Glu Glu Asp Lys
146   465                 470                 475                 480
147   Asn Ser Glu Arg Ile Thr Val Lys Lys Glu Thr Gln Ser Pro Glu Gln
148                   485                 490                 495
149   Val Lys Ser Glu Lys Leu Lys Asp Leu Phe Asp Tyr Ser Pro Pro Leu
150           500                 505                 510
151   His Lys Asn Leu Asp Ala Arg Glu Lys Ser Thr Phe Arg Glu Glu Ser
152           515                 520                 525
153   Pro Leu Arg Ile Lys Met Ile Ala Ser Asp Ser His Arg Pro Glu Val
154       530                 535                 540
155   Lys Leu Lys Met Ala Pro Val Pro Leu Asp Asp Ser Asn Arg Pro Ala
156   545                 550                 555                 560
157   Ser Leu Thr Lys Asp Arg Leu Leu Ala Ser Thr Leu Val His Ser Val
158               565                 570                 575
159   Lys Lys Glu Gln Glu Phe Arg Ser Ile Phe Asp His Ile Lys Leu Pro
160           580                 585                 590
161   Gln Ala Ser Lys Ser Thr Ser Glu Ser Phe Ile Gln His Ile Val Ser
```

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```
162          595                    600                    605
163    Leu Val His His Val Lys Glu Gln Tyr Phe Lys Ser Ala Ala Met Thr
164        610                    615                    620
165    Leu Asn Glu Arg Phe Thr Ser Tyr Gln Lys Ala Thr Glu Glu His Ser
166    625                    630                    635                640
167    Thr Arg Gln Lys Ser Pro Glu Ile His Arg Arg Ile Asp Ile Ser Pro
168                       645                    650                    655
169    Ser Thr Leu Arg Lys His Thr Arg Leu Ala Gly Glu Glu Arg Val Phe
170                       660                    665                    670
171    Lys Glu Glu Asn Gln Lys Gly Asp Lys Lys Leu Arg Cys Asp Ser Ala
172            675                    680                    685
173    Asp Leu Arg His Asp Ile Asp Arg Arg Arg Lys Glu Arg Ser Lys Glu
174        690                    695                    700
175    Arg Gly Asp Ser Lys Gly Ser Arg Glu Ser Ser Gly Ser Arg Lys Gln
176    705                    710                    715                720
177    Glu Lys Thr Pro Lys Asp Tyr Lys Glu Tyr Lys Ser Tyr Lys Asp Asp
178                       725                    730                    735
179    Ser Lys His Lys Arg Glu Gln Asp His Ser Arg Ser Ser Ser Ser Ser
180                       740                    745                    750
181    Ala Ser Pro Ser Ser Pro Ser Ser Arg Glu Glu Lys Glu Ser Lys Lys
182            755                    760                    765
183    Glu Arg Glu Glu Glu Phe Lys Thr His His Glu Met Lys Glu Tyr Ser
184        770                    775                    780
185    Gly Phe Ala Gly Val Ser Arg Pro Arg Gly Thr Phe Phe Arg Ile Arg
186    785                    790                    795                800
187    Gly Arg Gly Arg Ala Arg Gly Val Phe Ala Gly Thr Asn Thr Gly Pro
188                       805                    810                    815
190    Asn Asn Ser Asn Thr Thr Phe Gln Lys Arg Pro Lys Glu Glu Glu Trp
191                       820                    825                    830
192    Asp Pro Glu Tyr Thr Pro Lys Ser Lys Lys Tyr Phe Leu His Asp Asp
193            835                    840                    845
194    Arg Asp Asp Gly Val Asp Tyr Trp Ala Lys Arg Gly Arg Gly Arg Gly
195        850                    855                    860
196    Thr Phe Gln Arg Gly Arg Gly Arg Phe Asn Phe Lys Lys Ser Gly Ser
197    865                    870                    875                880
198    Ser Pro Lys Trp Thr His Asp Lys Tyr Gln Gly Asp Gly Ile Val Glu
199                       885                    890                    895
200    Asp Glu Glu Glu Thr Met Glu Asn Asn Glu Glu Lys Lys Asp Arg Arg
201            900                    905                    910
202    Lys Glu Glu Lys Glu
203            915
```

VERIFICATION SUMMARY
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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date